PREPARATION OF HIGHLY ACTIVE H-PTH (1-34) AMIDE

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Abstract of **JP 58096052 (A)**

PURPOSE:To prepare the titled high purity substance useful as a remedy for parathyroid insufficiency, by amidating a C-terminated phenylalanyl group, condensing protected amino acids in liquid phase in a specific sequence, eliminating the protective group of the N-terminal, and purifying the product by gel filtration, etc.

CONSTITUTION:The carboxyl group of the C-terminated phenylalanyl group is converted to amide group, and the protected amino acids and/or protected peptides are condensed by the liquid-phase synthesis in the order of formula (Ser is serine; Val is valine; Glu is glutamic acid; Ile is isoleucine; Gln is glutamine; Leu is leucine; Met is methionine; His is histidine; Asn is asparagine; Gly is glycine; Lys is lysine; Arg is arginine; Trp is tryptophane; Asp is aspartic acid residue), and the protective group of the N-terminal amino group is eliminated at the final stage of the condensation by acid decomposition. The product is separated and purified by the column chromatography using a gel filtration agent and an adsorbent.